Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/31/2018 01:11 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125484	0	1.80	125506	1.82
Blue	F	SSC	125000	122918	-2	3.18	123744	3.19
Blue	E	FITC	15492	14991	-4	3.44	347	22.01
Blue	D	PE	28736	28191	-2	2.76	620	16.31
Blue	B	PerCP-Cy5-5	41413	41142	-1	4.52	1125	23.41
Blue	A	PE-Cy7	31321	31449	0	7.02	570	48.11
Red	C	APC	41673	41006	-2	2.84	1586	13.32
Red	A	APC-Cy7	29962	29515	-2	2.74	744	13.59
Violet	B	V450	8318	7914	-5	4.28	437	14.08
Violet	A	V500	34199	33067	-4	4.02	795	11.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20751	3.71	609	-4	N/A	N/A	Pass
Blue	F	SSC	55695	2.68	575	7	N/A	N/A	Pass
Blue	E	FITC	59	72.23	558	-3	0.0155	146	Pass
Blue	D	PE	124	57.86	558	-2	0.1354	311	Pass
Blue	B	PerCP-Cy5-5	209	55.87	666	-1	0.0070	29	Pass
Blue	A	PE-Cy7	115	119.00	722	0	0.0089	30	Pass
Red	C	APC	363	28.36	600	-1	0.0192	114	Pass
Red	A	APC-Cy7	184	30.44	575	-1	0.0049	953	Pass
Violet	B	V450	65	69.19	474	-3	0.0520	2750	Pass
Violet	A	V500	112	40.30	492	-2	0.0217	1399	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.36	-32.02	1.09
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	17.11	13.60 - 20.40	N/A	N/A	29.45	29.73	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13118

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments